

Algebra I
Mrs. Bowers

Welcome to the 2010 Fall Semester!

Algebra I Course Description from NCDPI:

Algebra I continues the study of algebraic concepts learned in Math 8. It includes operations with polynomials and matrices, creation and application of linear relations and functions, algebraic representations of geometric relationships, and an introduction to nonlinear functions. Students will be expected to describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relations and use those representations to solve problems. Appropriate technology from manipulatives to graphing calculators should be used regularly for instruction and assessment.

Materials Needed Daily

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| <ul style="list-style-type: none">• one loose-leaf notebook and loose-leaf notebook paper• 2 pencils• dividers | <ul style="list-style-type: none">• completed homework assignment• practice workbook
(supplied by the textbook company) |
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Classroom items

(we use these items if you care to donate)

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| <ul style="list-style-type: none">• kleenex• colored pencils• pencils• paper | <ul style="list-style-type: none">• graph paper• notebook paper• band aides• hand sanitizer |
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Calculators:

The TI-83/83+/84 + is the calculator that we will be using this year. It is an integral part of the Algebra 1 curriculum. In order for your child to be comfortable and efficient with the calculator, we strongly suggest that he/she purchase one for use at home and at school. Teachers will have some calculators for in school use only. The NC EOC (end of course) test in Algebra 1 **assumes that all students are proficient with this technology.** Although these calculators are expensive, students will be able to use them during their entire high school career. Shop around for the best price in your local office supply stores or on-line. If you purchase a calculator, ***please bring me the UPC scan bar.*** TI has a proof-of-purchase program for schools that will exchange UPC labels for free equipment and/or software.

Classroom Policies and Rules:

1. Respect yourself, others and school property
2. No food or drink is allowed in the classroom (school rules)
3. Be in your seats ready to work when the bell rings. This means that your pencil should be sharpened, your homework out, and you are beginning to work on the warm up activity.
4. No electronic devices such as cell phones or I-Pods may be used during class. You will be written up if you are caught violating this rule. This includes making and receiving calls, as well as texting. Cell phones should not be seen or heard at any time during class.
5. Follow all other school rules.

Make-Up Procedures:

After an absence, it is **YOUR** responsibility to get your make-up work from the make-up folder. If you are absent on a test/quiz day, you are responsible for making up the test/quiz. See me to schedule a time that fits both of our schedules.

Refer to our school policy.

Tutoring

Tutoring will be available before and after school for any student needing extra assistance. Specific days and times will be given during the first week of school. Tutoring will also be offered during all lunches in room 404 with Mrs. Beale for any student that may be unable to get help outside of school hours. Please let me know if you would like to attend, so I can make sure she will be available, and I can give you a pass.

Grading Practices:

A test is your opportunity to show that you have mastered each objective in the unit. In order to master each objective, it is imperative that you practice the skill by completing all daily class work/homework assignments.

Grading:

Tests	50%
Quizzes	35%
Homework	15%

Algebra 1 Curriculum

Solving Complex Equations and Inequalities	Graphing Linear Equations
Matrices	Systems of Equations
Polynomials	Factoring
Radicals and Irrational Numbers	Quadratic Equations
Relations and Functions	Exponential Functions

Review for End-of-Course Test

North Carolina requires that a student pass the EOC and the course to receive credit for this course.

**** The North Carolina Standard Course of Study for Algebra 1 guides our curriculum.**

A Special Note to Students and Parents/Guardians:

The skills in Algebra 1 are very sequential. It is imperative that students have mastery of each objective to proceed to subsequent topics. I will do everything I can to help your child be successful. Your help is needed in three areas: ***attendance, homework and parental support.***

- 1) **Attendance is crucial** in every subject but is vital to the learning process in math. I urge you as parents to do everything you can do to assure your child is in math class every day. The block schedule that we will use this year moves quickly and your child will miss many objectives after a single absence. Only three absences are allowed per nine weeks!!
- 2) Homework is a requirement in this course, not an option. Students cannot be successful without practice. Expect your child to spend 30 to 45 minutes on math each night.
- 3) If possible, please e-mail me so that I have your e-mail address on file. Please include your child's name in the message.

If you would like to discuss your child's progress, please feel free to call me at school or e-mail me. You can reach me during my planning time, before or after school given the following information. I welcome the chance to meet you and work with you to make this a successful year for your child. By signing and returning the portion of this document below, you acknowledge receiving and reading the information provided on the previous pages.

Hilary Bowers
500 Orange High Road
Hillsborough, NC 27278
hilary.bowers@orange.k12.nc.us
Phone: 732-6133 ext. 20505
Room # 402
Planning: 3rd block (12:50 - 2:15)

(Please return this portion) Period: _____

Mrs. Bowers

Algebra 1

Student Name (please print): _____

Student Signature: _____ Date: _____

Parent Signature: _____ Date: _____

Phone number where the parent can be reached during school hours _____

Parent's E-mail address if available _____

Is there anything that you feel I need to know about your child to ensure his/her success in Algebra I?